# PROJECT DESCRIPTION

#### GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC SIGNAL AT THE EASTBOUND MD 175 RAMP/SNOWDEN RIVER PARKWAY INTERSECTION. SNOWDEN RIVER PARKWAY IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

#### INTERSECTION OPERATION

- 1. NORMAL OPERATION
- THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC ACTUATED MODE, WITH THE SNOWDEN RIVER PARKWAY APPROACHES RUNNING CONCURRENTLY, AND THE MD 175 APPROACH OPERATING AS A SEPARATE PHASE. EXCLUSIVE LEFT TURN PHASING WILL BE PROVIDED FOR SOUTHBOUND SNOWDEN RIVER PARKWAY.
- 6 ALTERNATE PEDESTRIAN PHASES WILL BE PROVIDED ACROSS EASTBOUND MD 175 RAMP C AND RAMP F.
  - 2. SPECIAL OPERATION

THE INTERSECTION WILL OPERATE AS INDICATED ABOVE UNLESS THE OPTICOM DEVICE IS ACTIVATED. WHICH WILL PRE-EMPT THE TRAFFIC SIGNAL AND STOP ALL APPROACHES EXCEPT EASTBOUND MD 175.

### CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH THREE (3) FOUR-CHANNEL, TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

### SPECIAL NOTES

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR, ROBERT SNYDER OF SHA AT (410) 787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THIS SIGNAL WILL BE INSTALLED DURING PHASE 3 OF THE TRAFFIC CONTROL PLAN AND BE COMPLETED PRIOR TO THE BEGINNING OF PHASE 4.

# MAINTENANCE OF TRAFFIC

THE FOLLOWING WORK ZONE TRAFFIC CONTROL STANDARDS SHALL BE USED FOR THE PROJECT.

STANDARD NO. 104.02-02 (FLAGGING OPERATION) STANDARD NO. 104.03-02 (INT. FLAGGING OPERATION)

STANDARD NO. 104.04-02 (SHOULDER WORK) STANDARD NO. 104.12-02 (LEFT LANE CLOSURE

STANDARD NO. 104.13-02 (RIGHT LANE CLOSURE)

STANDARD NO. 104.14-02 (CENTER LANE CLOSURE)

STANDARD NO. 104,16-02 (TWO RIGHT (LEFT) LANES CLOSURE) STANDARD NO. 104.18-02 (SHOULDER WORK

STANDARD NO. 104.27-02 (SHOULDER WORK) STANDARD NO. 104.56-02 (SHOULDER WORK)

NOTE: STANDARDS TO BE MODIFIED, BY REPLACING W21-5 SIGN WITH W29-1 SIGN (ROAD WORK AHEAD)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

MR. ROBERT L. FISHER DISTRICT ENGINEER PHONE: 410-624-8101

MR. JOHN CONCANNON (ACTING) ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: 410-624-8101

MR. JAMES BUCKLEW UTILITY ENGINEER PHONE: 410-624-8101

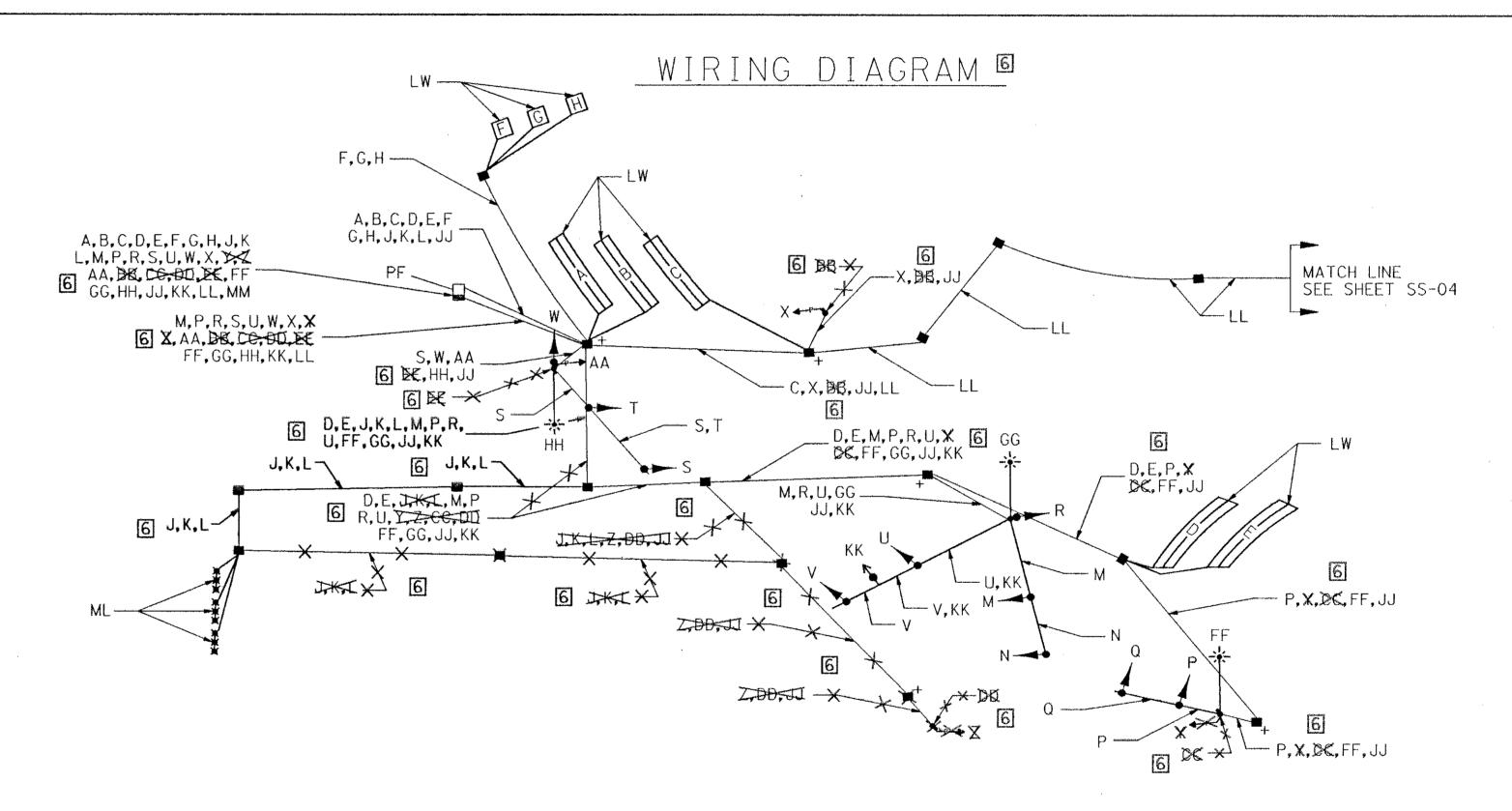
MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: 410-787-7630

THE POWER COMPANY REPRESENTATIVE IS:

MR. JOSEPH G. BUNCH BALTIMORE GAS AND ELECTRIC COMPANY INDUSTRIAL/COMMERCIAL SERVICES NEW BUSINESS CONSTRUCTION 7317 PARKWAY DRIVE SOUTH HANOVER, MD 21076 PHONE: 410-859-9030

## PHASE CHART

	1 R (Y)	R (P)	3 R (>)	<b>4</b>	5 <del>(E)</del> <del>(E)</del>	6 (R) (S) (G)	7 (R) (Y) (G)	8 R Y G	9 (R) (Y) (G)	19 R Y 6	11 11	6	6	14	
PHASE 2 + 5	R	R	G	G	<b>+</b> -6	G	G	R	R	R	wĸ	DW	DW	WK	00
2 + 5 CHANGE	R	R	Y	Υ	<b>←</b> Y−	G	G	R	R	R	FL/DW	DW	DWC	FL/DW	
PHASE 2 + 6	G	G	R	R	←R	G	G	R	R	R	wĸ	)WK	DHK	wĸ	00
2 + 6 CHANGE	Υ	Υ	R	R	◆R-	Υ	Υ	R	R	Ŕ	FL/DW	EL-/BW	EYOU	FL/DW	0===0
PHASE 4	R	R	R	R	+-R	R	R	G	G	G	DW	DW.	DW	DW	
4 CHANGE	R	R	R	R	<b>≁-</b> R	R	R	Y	Υ	Υ	DW	DW	DWC	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/+R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	
RE-EMPTION PHASES												6	<u>6</u>		
PRE-EMPT 1	R	R	R	R	<b>◆-R-</b>	R	R	G	G	G	DW	DW	DW	DW	
PRE-EMPT 1 CHANGE	Ŕ	R	R	R	•-R	R	R	Υ	Υ	Υ	DW	DWC	Dw.	DW	1.



### WIRING KEY

A.B.C.D \ 2-CONDUCTOR ELECTRICAL CABLE E.F.G.H (ALUMINUM SHIELDED)

TEL: (410) 728-2900 FAX: (410) 383-3270

FF.GG \ 2-CONDUCTOR ELECTRICAL CABLE HH (NO. 12 A.W.G.)

2-CONDUCTOR ELECTRICAL CABLE

KK } 4-CONDUCTOR OPTICOM DETECTOR CABLE (NO. 20 A.W.G.) N,Q,T,V \ 5-CONDUCTOR ELECTRICAL CABLE

 $X, \Sigma Z.AA$  (NO. 14 A.W.G.)

MM \ 3 WIRE ELECTRICAL CABLE

DIRECTOR OFFICE OF TRAFFIC & SAFETY | SCALE: N.T.S.

(NO. 4 A.W.G)

S,U,W (NO. 14 A.W.G.) JJ STRANDED BARE COPPER GROUND 

M,P,R) 7-CONDUCTOR ELECTRICAL CABLE

LL 12 PAIR JELLY-FILLED COMMUNICATION CABLE - UNDERGROUND (NO. 19 A.W.G.)

S.H.A. NO.

H07645271

J.K.L \ MICRO-LOOP PROBE SET

3820

LA COLON AND CLA

LW - LOOP WIRE (NO. 14 A.W.G.) ML - MICRO-LOOP PROBE SET PF - POWER FEED (NO. 4 A.W.G.) + - 3/4 IN. X 10 FT. GROUND ROD

SS-02

201A OF 232

**REVISIONS:** APPROVALS: MDOT - STATE HIGHWAY ADMINISTRATION REVISION NO. 1 4/22/99
NEW SHEET TO REPLACE SHEET NO. 201 Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 13017503.65 CHIEF SIGNAL DESIGN SECTION 6 REVISION NO. 6 / / RUMMEL, KLEPPER EB MD 175 RAMP C @ SNOWDEN RIVER PARKWAY DRAWN BY: BSH & KAHL, LLP ASST. DISTRICT ENGINEER TRAFFIC DES. BY: GENERAL INFORMATION CONSULTING ENGINEERS DK/DLA CHK. BY: HOWARD COUNTY: CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 81 MOSHER STREET TS/STD. NO.: SHEET NO. BALTIMORE, MARYLAND 21217 DATE: NOVEMBER, 1998 F.A.P. NO.